





RULE 63 (37 C.F.R. 1.63) INVENTORS DECLARATION FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, mailing address and titzenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

NEW METHODS OF FABRICATING DEVICES AND SEMICONDUCTOR L'AYERS COMPRISING CADMIUM MERCURY TELLURIDE.

	.vv WETHODO OF TABI		TELLURIDE, AND C					
•	ification of which (check	applicable box(s)):		- 1				
r 1	s attached hereto	March 44, 2002	an II C Ampliant	iển Carial Na	10/000 00	e.	(A#), Dia No. 124 022)	
r.,1		March 14, 2002	as U.S. Applicat PCT/GB00/		10/088,02 on	22/08/2000	(Atty. Dkt. No. 124-933)	
[]	vas filed as PCT Internat	application) was amende		U3249	OII	22/06/2000		
and (ii aj	oplicable to 0.5. of PC1	application) was amende	u on					
amendm defined i listed be which pr	ent referred to above. I n 37 C.F.R. 1.56. I herel low and have also identif	by claim foreign priority b fied below any foreign app priority is claimed, before	disclose to the Pater enefits under 35 U.S olication for patent o	at Office all infor .C. 119/365 of a inventor's certi application:	mation know any foreign a	n to me to be pplication(s) for	s, as amended by any material to patentability as or patent or inventor's certifica pefore that of the application or Day/Month/Year Filed	
	9921639.2		GB			15/09/1999		
	Application Numb	35 U.S.C. §119(e) of any er 	Date/Month/Y	ear Filed			ove or below:	
-		·						
Prior U.S./PCT Application(s): Application Serial No. PCT/GB00/03249			Day/Month/Year Filed 22/08/2000			Status: patented pending, abandoned Pending		
be true; a imprison application	and further that these sta ment, or both, under Sec on or any patent issued t	atements were made with ction 1001 of Title 18 of th hereon. And on behalf of	the knowledge that the United States Cod f the owner(s) hereof	willful false state e and that such , I hereby appo	ements and t willful false s int Nixon & V	he like so mad statements ma /anderhye P.C	tion and belief are believed to de are punishable by fine or ay jeopardize the validity of the ., telephone number 703-816-	
owner's/ resulting	owners' attorneys to pros patent. I also authorize communicated from the p	secute this application and Nixon & Vanderhye to ad	d to transact all busii ld or delete attorneys	ness in the Pate s from that Cust	nt and Trade omer Numbe	mark Office o	individually and collectively connected therewith and with the and rely solely on instructions anderhye on behalf of the	
1.	Inventor's Signature:	asha's				Date:	5006 James 192	
C(Y)	Inventor:	Janet	_ <u>E.</u>		Hails		GB	
	Desidence (site)	(first)	om G-BK	(atata/aa	(last) ountry) GB		(citizenship)	
	Residence: (city) Mailing Address:	Malvern, United Kingd QinetiQ Limited, Malve		(state/co	· · · —			
	(Zip Code)	WR14 3PS	on reemiology cent	ie, et / iliaiews	11000, 1110110	III, 110100. C		
	(
2.	Inventor's Signature:				4	Date: _	0.0	
	Inventor:	Saamara	N.	Turney (Exec Stevenson, a 7 Balgove Av	citizen of Gre	eat Britain, y, Fife,	GB	
		(first)	MI		(last)	•	(citizenship)	
	Residence: (city)	Yelvertoft, United King		(state/co	ountry) <u>GB</u>			
	Mailing Address: (Zip Code)	The Hollies, 1 Kings L NN6 6LX	ane, γεινεποπ, GB		 			
	(Zip Code)	1440 000	-					

[X] See attached sheet(s) for additional inventor(s) information!!

124-933 Serial No. **10/088,026** Page 2 Nixon & Vanderhye P.C. (10/99) (Domestic Non-Assigned/Foreign)

	Inventor's Signature:				Date:	
	Inventor:	David	J.	Cole-Hamilton		GB
		(first)	MI	(last)		(citizenship)
	Residence: (city)	Fife, United Kingdom		(state/country) GB		, ,,
	Mailing Address:	Chemistry Dept., University of	of St. Andrews,	Purdie Bldg., North Haugh, St.	Andrews, Fif	e, GB
	(Zip Code)	KY16 9ST				
	Inventor's Signature:				Date:	
	Inventor:	William		Bell		GB
		(first)	MI	(last)		(citizenship)
	Residence: (city)	Falkirk, United Kingdom		(state/country) GB		, , , , , ,
	Mailing Address:	2 Green Dyke Cottage, Bothl	kenner, Falkirk	GB		
	(Zip Code)	SK2 8PP				
	Inventor's Signature:				Date:	
	Inventor:	Douglas	F.	Foster		GB
		(first)	MI	(last)		(citizenship)
	Residence: (city)	Fife, United Kingdom		(state/country) GB		
	Mailing Address:	Sorel, University of St. Andre	ws, Purdie Bui	ding, North Haugh, St. Andrew	/s , Fife, GB	
	(Zip Code)	KY16 9ST				



124-933 IP/P2857/USW OCT O 8 2003

Nixon & Vanderhye P.C. (10/99) (Domestic Non-Assigned/Foreign) Page 1

RULE 63 (37 C.F.R. 1.63) INVENTORS DECLARATION FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subjec matter which is claimed and for which a patent is sought on the invention entitled:

matter which is claimed and for which a patent is sought on the invention entitled: NEW METHODS OF FABRICATING DEVICES AND SEMICONDUCTOR LAYERS COMPRISING CADMIUM MERCURY TELLURIDE. MERCURY TELLURIDE, AND CADMIUM TELLURIDE the specification of which (check applicable box(s)): is attached hereto [] was filed on [X] March 14, 2002 as U.S. Application Serial No. 10/088,026 (Atty. Dkt. No. 124-933) [X] was filed as PCT International application No. PCT/GB00/03249 22/08/2000 and (if applicable to U.S. or PCT application) was amended on I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application: Priority Foreign Application(s): **Application Number** Country Day/Month/Year Filed 9921639.2 GB 15/09/1999 I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below. Application Number Date/Month/Year Filed I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below: Prior U.S./PCT Application(s): Status: patented Application Serial No. Day/Month/Year Filed pending, abandoned PCT/GB00/03249 22/08/2000 Pending I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint Nixon & Vanderhye P.C., telephone number 703-816-4000 (to whom all communications are to be directed) and the attorneys of: Customer Number 23117, individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent. I also authorize Nixon & Vanderhye to add or delete attorneys from that Customer Number, and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s). 1. Inventor's Signature: Date: E Inventor: Janet GB Hails (first) MI (last) (citizenship) Residence: (city) Malvern, United Kingdom (state/country) GB Mailing Address: QinetiQ Limited, Malvern Technology Centre, St Andrews Road, Malvern, Worcs. GB (Zip Code) **WR14 3PS** Inventor's Signature: Date: Inventor: Saamara Turney (Executrix of the late John. Stevenson, a citizen of Great Britain, 7 Balgove Avenue, Gauldry, Fife, Great Britain) (citizenship) (last) Residence: (city) Yelvertoft, United Kingdom (36) (state/country)

[X] See attached sheet(s) for additional inventor(s) information!!

The Hollies, 1 Kings Lane, Yelvertoft, GB

Mailing Address:

(Zip Code)

NN6 6LX

124-933 Serial No. **10/088,026** Page 2

Nixon & Vanderhye P.C. (10/99 (Domestic Non-Assigned/Foreign

3. ·	Inventor's Signature:				Date:	
	Inventor:	David	J.	Cole-Hamilton	_	GB
		(first)	MI	(last)		(citizenship)
	Residence: (city)	Fife, United Kingdom		(state/country) GB		, , , , , , , , , , , , , , , , , , , ,
	Mailing Address:	Chemistry Dept., Univer	sity of St. Andrews, Pur	die Bldg., North Haugh, St.	Andrews	Fife. GB
	(Zip Code)	KY16 9ST				
4.	Inventor's Signature:				Date:	
	Inventor:	William		Bell		GB
		(first)	MI	(last)		(citizenship)
	Residence: (city)	Falkirk, United Kingdom		(state/country) GB	_	(6/426/16/115)
	Mailing Address:	2 Green Dyke Cottage,	Bothkenner, Falkirk, GE			
	(Zip Code)	SK2 8PP				
5.	Inventor's Signature:				Date:	
	Inventor:	Douglas	F	Foster		GB
		(first)	MI	(last)		(citizenship)
	Residence: (city)	Fife, United Kingdom		(state/country) GB		(Grazeriariip)
	Mailing Address:		Andrews Purdie Building	g, North Haugh, St. Andrew	s Fife GF	3
	(Zip Code)	KY16 9ST		g, Horar Fraugh, Ot. Andrew	5 , 1 He, OL	·
	(<u>-</u> .p 0000)			 		



124-933 IP/P2857/USW

Mailing Address:

(Zip Code)

NN6 6LX

OT O 8 ZOTO SE

Nixon & Vanderhye P.C. (10/99) (Domestic Non-Assigned/Foreign) Page 1

RULE 63 (37 C.F.R. 1.63) INVENTORS DECLARATION FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subjec matter which is claimed and for which a patent is sought on the invention entitled:

NEW METHODS OF FABRICATING DEVICES AND SEMICONDUCTOR LAYERS COMPRISING CADMIUM MERCURY TELLURIDE, MERCURY TELLURIDE, AND CADMIUM TELLURIDE the specification of which (check applicable box(s)): is attached hereto [] was filed on March 14, 2002 as U.S. Application Serial No. 10/088,026 [X] (Atty. Dkt. No. 124-933) [X] was filed as PCT International application No. PCT/GB00/03249 22/08/2000 and (if applicable to U.S. or PCT application) was amended on I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application: Priority Foreign Application(s): **Application Number** Country Day/Month/Year Filed 9921639.2 GB 15/09/1999 I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below. **Application Number** Date/Month/Year Filed I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below: Prior U.S./PCT Application(s): Status: patented Application Serial No. Day/Month/Year Filed pending, abandoned PCT/GB00/03249 22/08/2000 Pending I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint Nixon & Vanderhye P.C., telephone number 703-816-4000 (to whom all communications are to be directed) and the attorneys of: Customer Number 23117, individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with th resulting patent. I also authorize Nixon & Vanderhye to add or delete attorneys from that Customer Number, and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s). 1. Inventor's Signature: Inventor: Janet Hails GB (first) MI (last) (citizenship) Residence: (city) Malvern, United Kingdom (state/country) QinetiQ Limited, Malvern Technology Centre, St Andrews Road, Malvern, Worcs. GB Mailing Address: (Zip Code) WR14 3PS 2. Inventor's Signature: Inventor: Saamara N. Turney (Executrix of the late John GB Stevenson, a citizen of Great Britain. 7 Balgove Avenue, Gauldry, Fife, Great Britain) (first) MI (last) (citizenship) Residence: (city) Yelvertoft, United Kingdom (state/country)

[X] See attached sheet(s) for additional inventor(s) information!!

The Hollies, 1 Kings Lane, Yelvertoft, GB

124-933 Serial No. **10/088,026** Page 2

Nixon & Vanderhye P.C. (10/99 (Domestic Non-Assigned/Foreign

3.	Inventor's Signature:	-			Date:		
	Inventor:	David	J.	Cole-Hamilton			GB
		(first)	MI	(last)			(citizenship)
	Residence: (city)	Fife, United Kingdom		(state/country) GB			
	Mailing Address:	Chemistry Dept., Unive	ersity of St. Andrews, Purc	lie Bldg., North Haugh, St.	Andrew	s, Fife, (GB
	(Zip Code)	KY16 9ST					
4.	Inventor's Signature:	COLL!	~ IEQ	,	Date:	30	SEPT 2003
-18)	Inventor:	William		Bell_			GB
		(first) Falkirk, United Kingdor Green Dyke Cottage	OPEMI	(last)			(citizenship)
	Residence: (city)	Falkirk, United Kingdor	m GBK	(state/country) GB			
	Mailing Address:	2 Green Dyke Cottage	, Bothkenner, Falkirk GB				
	(Zip Code)	F \$K2 8PP					
5.	Inventor's Signature:				Date:		
	Inventor:	Douglas-	F.	Foster			GB
		(first)	MI	(last)			(citizenship)
	Residence: (city)	Fife, United Kingdom		(state/country) GB			,
	Mailing Address:	Sorel, University of St.	Andrews, Purdie Building	, North Haugh, St. Andrew	s , Fife,	GB	
	(Zip Code)	KY16 9ST					

124-933 IP/P2857/USW

Residence: (city)

Mailing Address:

(Zip Code)

OCT O 8 2003

Nixon & Vanderhye P.C. (10/99) (Domestic Non-Assigned/Foreign) Page 1

RULE 63 (37 C.F.R. 1.63) INVENTORS DECLARATION FOR PATENT APPLICATION IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, mailing address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

matter which is claimed and for which a patent is sought on the invention entitled: NEW METHODS OF FABRICATING DEVICES AND SEMICONDUCTOR LAYERS COMPRISING CADMIUM MERCURY TELLURIDE, MERCURY TELLURIDE, AND CADMIUM TELLURIDE the specification of which (check applicable box(s)): is attached hereto was filed on March 14, 2002 as U.S. Application Serial No. [X] 10/088,026 (Atty. Dkt. No. 124-933) was filed as PCT International application No. PCT/GB00/03249 [X] 22/08/2000 and (if applicable to U.S. or PCT application) was amended on I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose to the Patent Office all information known to me to be material to patentability as defined in 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application: Priority Foreign Application(s): **Application Number** Country Day/Month/Year Filed 9921639.2 GB 15/09/1999 I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below. **Application Number** Date/Month/Year Filed I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below: Prior U.S./PCT Application(s): Status: patented Application Serial No. Day/Month/Year Filed pending, abandoned PCT/GB00/03249 22/08/2000 Pending I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And on behalf of the owner(s) hereof, I hereby appoint Nixon & Vanderhye P.C., telephone number 703-816-4000 (to whom all communications are to be directed) and the attorneys of: Customer Number 23117, individually and collectively owner's/owners' attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent. I also authorize Nixon & Vanderhye to add or delete attorneys from that Customer Number, and to act and rely solely on instructions directly communicated from the person, assignee, attorney, firm, or other organization sending instructions to Nixon & Vanderhye on behalf of the owner(s). 1. Inventor's Signature: Date: Inventor: Janet Ε. GB Hails (first) MI (last) (citizenship) Residence: (city) Malvern, United Kingdom (state/country) GB Mailing Address: QinetiQ Limited, Malvern Technology Centre, St Andrews Road, Malvern, Worcs. GB (Zip Code) **WR14 3PS** Inventor's Signature: 2. Inventor: Saamara N. Turney (Executrix of the late John GB Stevenson, a citizen of Great Britain, 7 Balgove Avenue, Gauldry, Fife, Great Britain) (first) MI (last) (citizenship)

[X] See attached sheet(s) for additional inventor(s) information!!

(state/country)

Yelvertoft, United Kingdom

NN6 6LX

The Hollies, 1 Kings Lane, Yelvertoft, GB

	No. 10/088,026				n & Vanderhye P.C. (1 estic Non-Assigned/For	
Page 2	Inventor's Signature: Inventor:	David J. ale Ha	Cole-Hamilton	Date:	21st defete when,	lar
3-0-	Residence: (city) Mailing Address:	(first) Fife, United Kingdom Chemistry Dept., University of St. Andrews, Pure KY16 9ST	(last) (state/country) GB	-	(citizenship)	
4.	(Zip Code) Inventor's Signature: Inventor:	William	Bell	Date:	GB	
	Residence: (city) Mailing Address: (Zip Code)	(first) MI Falkirk, United Kingdom 2 Green Dyke Cottage, Bothkenner, Falkirk GB SK2 8PP	(last) (state/country) GB		(citizenship)	_
5. _W	Inventor's Signature: Inventor:	Douglas F. (first)	Foster (last)	Date:	GB (citizenship)	
	Residence: (city) Mailing Address: (Zip Code)	Fife, United Kingdom () Sorel, University of St. Andrews, Purdie Building KY16 9ST	(state/country) GB	ews , Fife,	,	<u> </u>